

P

SEARCH REQUEST FORM

Scientific and Technical Information Center

Access DB#

09/600,392
ATTACH To
Paper #11

Requester's Full Name: _____ Examiner #: _____ Date: _____
Art Unit: _____ Phone Number 30: _____ Serial Number: _____
Mail Box and Bldg/Room Location: _____ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: _____	NA Sequence (#) _____	STN _____
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr.Link _____
Date Completed: _____	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: _____	Fulltext _____	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet _____
Online Time: _____	Other _____	Other (specify) _____

ATTORNEY/AGENT INFORMATION:
NAME: MATTHEWSON, CHARLES R
REGISTRATION NUMBER: 30,660
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847-473-6693
TELEFAX: 847-473-6933
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 624 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..624
US-08-392-771-5

Query Match 85.3%; Score 580; DB 2; Length 624;
Best Local Similarity 98.1%; Pred. No. 1.4e-168;
Matches 612; Conservative 0; Mismatches 0; Indels 12; Gaps 2;

QY 7 ttaagaccacattcaatlaagttgttttcttaalcgcgacataatgaatcaatcaagcc 66
DB 624 TTAAGACCACTTTCACATTTAAGTTGTTTCTTAATCCGATATGATCAATTCAGGCC 565

QY 67 gaataagaagctgctcgcacaccttgatgaataaataatcgaatagcttgcgtaata 126
DB 564 GAATAAGAAAGCTGCTCGCCTTGACCTTGATCAAAATATCGATAGCTTGCATATAA 505

QY 127 tggcgccactatcagatagtagtggtttcccttcttcttcttcttcttcttcttctg 186
DB 504 TGGCGGCATCTATCAGTAGTAGTGTTCCTTCTTCTTCTTCTTCTTCTTCTTCTTCTG 445

QY 187 atcttccaatacgaacacaaaglaaaatgcccacagcgtgagtcgacataatgacatt 246
DB 444 ATCTTCCATACGCAACTTAAGTAAGTAAGTCCACAGCGCTGATGATTAATGCAATT 385

QY 247 ctctca--gaaaacacctgtgacataaaagcctaattgatttctcgagattcactactg 304
DB 384 CTCTAGTGAATAACCTGTGTGGCAATAAAGGCTAATTGATTTTCGAGAGTTTCATCTG 325

QY 305 tttcttctgtagccg-----tgtaactttgtctcgcacgcgacgaactagtaagc 354
DB 324 TTTTCTGTAGCCGCTGACCTAATAGTACTTTTCTGCTCATCGCATACTAGTAAGAC 265

QY 355 acatctaaacattttagcgtatatacgtlaaaaaacttgcagacttcccttctaaag 414
DB 264 ACATCTAAACTTTAGCGTATTACGTAAATAAATCTTGCCACGCTTCCCTTCTAAAGC 205

QY 415 gcaaaagtgaatgagtgccatacctcaacatcctcaatgagcgaagcgttcgaaagcccg 474
DB 204 GCAAAAGTGAATGAGTGCTCCATCTACATCTCAATGCTGAAGCGCTGACAAAGCCG 145

QY 475 ctatcttttcaacgaataaataatgtagtgcgtcttcaacactagcttctggagagtt 534
DB 144 CTATTTTTCATGATGCAATTAAGTGAAGTGTCTTACACCTAGCTTCTGGGAGATT 85

QY 535 acgggtgttlaaaccttcgactcgaactcaatgaacgagcctcaatgcgctgtaataac 594
DB 84 ACGGTTGTAAACCTTCGATTCGACCTCATTAAGCAGCTTAATGGCTGTTAATAC 25

QY 595 ttactcttcaatcactagacat 618
DB 24 TTACTTTTATCTAATCTAGACAT 1

APPLICANT: Gossen, Manfred
APPLICANT: Bujard, Hermann
TITLE OF INVENTION: Tight Control of Gene Expression in
TITLE OF INVENTION: Eucaryotic Cells by Tetraacycline-responsive Promoter:
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: District of Columbia
COUNTRY: United States of America
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/076,726
FILING DATE: 14-JUN-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Esmond, Robert W.
REGISTRATION NUMBER: 32,893
REFERENCE/DOCKET NUMBER: 0942, 2490001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)371-2600
TELEFAX: (202)371-2540
TELEX: 248636 SSK
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 894 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
FEATURE:
NAME/KEY: CDS
LOCATION: 1..891
US-08-076-726-10

Query Match 85.1%; Score 578.6; DB 1; Length 894;
Best Local Similarity 97.5%; Pred. No. 4.3e-168;
Matches 613; Conservative 0; Mismatches 4; Indels 12; Gaps 2

QY 2 gatccctaaagaccacattcaatlaagttgttttcttaalcgcgacataatgaatcaatca 61
DB 629 GATGATGACAGACCCACTTTCACATTTAAGTTGTTTCTTAATCCGATATGATCAATTCA 570

QY 62 aggcggaaataagaagctgctgcacacctgtgacatcaataatcgaatagctgtcgt 121
DB 569 AGGCCGAATAAGAAAGCTGCTGACACCTTGATCAATAATTCGATAGCTTGTGCT 510

QY 122 aataatgacacatacactcagtagtagtggtttcccttcttcttcttcttcttcttctg 181
DB 509 AATAATGCGGCATACATACATAGTAGTGTTCCTTCTTCTTCTTCTTCTTCTTCTTCTG 450

QY 182 tcttgatccttgaatacgaacactaaaglaaaatgcccacagcgtgagtgatataat 241
DB 449 TCTTGATCTTCATATGCAATGCAACCTAAGTAAGTAAGTCCACAGCGCTGAGTATTAAT 390

QY 242 gcatctctca--gaaaacacctgtgacataaaagcctaattgatttctgagagttca 299
DB 389 GCATCTCTAGTGAATAACCTTGTGTGCAATAAAGGCTAATTGATTTTCGAGAGTTTCA 330

QY 300 taactgttcttctgtagccg-----tgtaactttgtctcgcacgcgacgaactagtagt 349
DB 329 TACTGTTTTCTGTAGCCGCTGACCTAATAGTACTTTTCTGCTCATGCGCATGACTTAGT 270

QY 350 aaagcacatctaaacattttagcgtataatgaataaaacttgcagacttcccttctc 409
DB 269 AAAGCACATCTAAACCTTTAGCGTTATTACGTAAATAAATCTTGCCAGCTTCCCTTCT 210

```

Oy 410 aaaggcaaaagtagatgtagtgcctatctcaatcctcaatgagcgtcgaagcaaa 469
    |||||||
Db 209 AAAGGCAAAAGTAGATGAGTGCCTCATCTCAATCTCAATGAGCGCTGAGACAAA 150
Oy 470 gccgcctatttttcaatgccaataatgtagctgctctacacctagcttcggcg 529
    |||||||
Db 149 GCCGCTTATTTTACATGCCAATATGATGAGCTGCTACACCTAGCTTGGCGG 90
Oy 530 agttacgggttgtagtaaccttcgacctccttaagcagcctcaatgagcgttca 589
    |||||||
Db 89 AGTTACGGGTGTTTAACCTTCGATTCGACCTCATTAAGCAGCTCTAATGGCTGTTA 30
Oy 590 atcaacttacttactatcaatcctagacat 618
    |||||||
Db 29 ATCAGTTACTTTTATCTAATCTAGACAT 1

RESULT 6
US-08-260-452-3/C
Sequence 3, Application US/08260452
Patent No. 5650298
GENERAL INFORMATION:
APPLICANT: Gossen, Manfred
APPLICANT: Bujard, Hermann
APPLICANT: Salfeld, Jochem
APPLICANT: Voss, Jeffrey
TITLE OF INVENTION: Tight Control of Gene Expression in Eucaryotic
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lahive & Cockfield
STREET: 60 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/260.452
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/076,327
ATTORNEY/AGENT INFORMATION:
NAME: Giulio A. DeConti, Jr.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: BBI-013CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 894 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Herpes Simplex Virus
STRAIN: K12, KOS
INDIVIDUAL ISOLATE: T1AS transactivator
FEATURE:
NAME/KEY: exon
LOCATION: 1..894
FEATURE:
NAME/KEY: mRNA
LOCATION: 1..894
FEATURE:
NAME/KEY: misc. binding

```

```

LOCATION: 1..207
FEATURE:
NAME/KEY: misc. binding
LOCATION: 208..297
FEATURE:
NAME/KEY: CDS
LOCATION: 1..891
US-08-260-452-3

Query Match      85.1%; Score 578.6; Length 894;
Best Local Similarity 97.5%; Pred. No. 43e-168;
Matches 613; Conservative 0; Mismatches 4; Indels 12; Gaps

Oy 2 gatccttaagaccacttccactttaagtgttttcttaatccgatatgacatcca 61
    |||
Db 629 GATGATCAGACCCACTTTCACATTAAGTGTCTTCAATCCGATATGATCAATTTCA 570
Oy 62 aggcgaataaagaaggctgctgcaccttggtgatacaataatcgaatgttgt 121
    |||||||
Db 569 AGGCGAATATAGAGGCTGCTTGCACTTGATGATCAATATTCATGATGCTTCGT 510
Oy 122 aataatgagcgcatactatcagtagtagtltcccttcttcttaagcagactgatc 181
    |||||||
Db 509 AATATAGCGGCGATACTATACAGTAGAGGTTCCTTCTTCTTACGACTTCATGC 450
Oy 182 tcttgatcttccaatcgcgaaccttaagaataatgcgcacagcgtgtagcataat 241
    |||||||
Db 449 TCTTGATCTTCCAAATCGCAACCTTAAGTAAATGCCGCCGCTGATGATTAAT 390
Oy 242 gattctctca--gaaaacctggtgcaataaaggcctaattgatttcgagagttca 299
    |||||||
Db 389 GCATTCCTAGTGAATAAACCTTGTTGGCATAAAGGCAATTTGATTTTCGAGATTTC 330
Oy 300 tactgttttctgttaggcg-----tgtaactttgtccatcgcagatgacttagt 349
    |||||||
Db 329 TACTGTTTTCGTAGCCGCTGACTAATGACTTTTTCGTCATCGGATGACTTAGT 270
Oy 350 aaagcacatcctaaactttagcgttataatgaataaacttcgcagcttcccttct 409
    |||||||
Db 269 AAAGCACATCTAAACCTTTAGCGTATTAAGCAAAAATCTTGCCAGCTTCCCTTCT 210
Oy 410 aaaggcaaaagtagatgtagtgcctatctcaatcctcaatgagcgtcgaagcaaa 469
    |||||||
Db 209 AAAGGCAAAAGTAGATGAGTGCCTCATCTCAATCTCAATGAGCGCTGAGACAAA 150
Oy 470 gccgcctatttttcaatgccaataatgtagctgctctacacctagcttcggcg 529
    |||||||
Db 149 GCCGCTTATTTTACATGCCAATATGATGAGCTGCTACACCTAGCTTGGCGG 90
Oy 530 agttacgggttgtagtaaccttcgacctccttaagcagcctcaatgagcgttca 589
    |||||||
Db 89 AGTTACGGGTGTTTAACCTTCGATTCGACCTCATTAAGCAGCTCTAATGGCTGTTA 30
Oy 590 atcaacttacttactatcaatcctagacat 618
    |||||||
Db 29 ATCAGTTACTTTTATCTAATCTAGACAT 1

RESULT 7
US-08-481-970-3/C
Sequence 3, Application US/08481970
Patent No. 5659310
GENERAL INFORMATION:
APPLICANT: Gossen, Manfred
APPLICANT: Bujard, Hermann
APPLICANT: Salfeld, Jochem
APPLICANT: Voss, Jeffrey
TITLE OF INVENTION: Animal Transgenic for a Tetracycline-Controlled
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lahive & Cockfield
STREET: 60 State Street, Suite 510

```

```
? CITY: Boston
? STATE: Massachusetts
? COUNTRY: USA
? ZIP: 02109-1875
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: ASCII text
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/481,970
? FILING DATE:
? CLASSIFICATION: 800
? PRIORITY APPLICATION DATA:
? APPLICATION NUMBER: 08/260,452
? FILING DATE: 14-JUN-1994
? PRIOR APPLICATION DATA:
? APPLICATION NUMBER: 08/076,327
? FILING DATE: 14-JUN-1993
? ATTORNEY/AGENT INFORMATION:
? NAME: Giulio A. DeConti, Jr.
? REGISTRATION NUMBER: 31,503
? REFERENCE/DOCKET NUMBER: BBI-013CP2
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (617) 227-7400
? TELEFAX: (617) 227-5941
? INFORMATION FOR SEQ. ID NO.: 3:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 894 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: double
? TOPOLOGY: linear
? MOLECULE TYPE: DNA (genomic)
? ORIGINAL SOURCE:
? ORGANISM: Herpes Simplex Virus
? STRAIN: K12, KOS
? INDIVIDUAL ISOLATE: LTAS transactivator
? FEATURE:
? NAME/KEY: exon
? LOCATION: 1..894
? NAME/KEY: mRNA
? LOCATION: 1..894
? FEATURE:
? NAME/KEY: misc. binding
? LOCATION: 1..207
? NAME/KEY: misc. binding
? LOCATION: 208..297
? FEATURE:
? NAME/KEY: CDS
? LOCATION: 1..891
? US-08-481-970-3

Query Match      85.1%  Score 578.6:  DB 2:  Length 894:
Best Local Similarity 97.5%:  Pred. No. 4,3e-168:
Matches 613:  Conservative 0:  Mismatches 4:  Indels 12:  Gaps 2:
```

```
DB 449 TCTTGATCTTCCATACGACNACTAAAGTAAATGCCCCACAGCGCTGATGCATATAT 390
QY 242 gcatctctc-aaaccctctgtgcaataaaaggcctatgatcttcgaagttca 299
DB 389 GCATTCCTAGTAAAAACCTTGTGGCATAAAAAGCCTAATTGATTTCGAGATTCA 330
QY 300 tactgtttctctgaagccg-----tgcactttgtccatcagagtaactagt 349
DB 329 TACTGTTTTCTGTAGCGCGTGTACCTAAATGTACTTTTCTCTCATCGCATACTTAGT 270
QY 350 aaagcacatctaaactttagcgttatctacgtaaaagctgccaagcttcccttc 409
DB 269 AAAGCATCTTAACCTTTAGCGGTATACGTAATAAAAAAATCTGCCAGCTTCCCTCT 210
QY 410 aaaggcaaaagtgaatagtgctcctatacctcaatcgaatgctgaagcgaaca 469
DB 209 AAAGGCAAAAGTAGATAGTGCCTATCTCAATGCTCAATGCTAAGCGCTGACACAA 150
QY 470 gccgcctatttllacatgccaatacgaatgagctgctctacactgaagctctgagc 529
DB 149 GCGCGCTTATTTTACATGCCAATACATGTAGGCTGCTTACACCTTACCTTCTGGCG 90
QY 530 agttacggttgtaaaccttcgacatccgacatcctaagcagcctcaatgctgta 589
DB 89 AGTTACGGGTGTTAACCTTGATTCGACCTCATTTAAGCAGCTCTAATGCGCTGTA 30
QY 590 atcacttacttlatcctaatcagacat 618
DB 29 ATCATTACTTTATCTAATCTAGACAT 1

RESULT 8
US-08-897-719-3/c
? Sequence 3, Application US/08897719
? Patent No. 5922927
? GENERAL INFORMATION:
? APPLICANT: Gossen, Manfred
? APPLICANT: Bujard, Hermann
? APPLICANT: Salfield, Jochen
? APPLICANT: Voss, Jeffrey
? TITLE OF INVENTION: Tight Control of Gene Expression in Eucaryotic
? TITLE OF INVENTION: Cells by Tetracycline-responsive Promoters
? NUMBER OF SEQUENCES: 10
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Lahive & Cockfield
? STREET: 60 State Street
? CITY: Boston
? STATE: Massachusetts
? COUNTRY: USA
? ZIP: 02109-1875
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: ASCII text
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/897,719
? FILING DATE:
? CLASSIFICATION:
? PRIORITY APPLICATION DATA:
? APPLICATION NUMBER: 08/260,452
? FILING DATE:
? APPLICATION NUMBER: 08/076,327
? FILING DATE: 14-JUN-1993
? ATTORNEY/AGENT INFORMATION:
? NAME: Giulio A. DeConti, Jr.
? REGISTRATION NUMBER: 31,503
? REFERENCE/DOCKET NUMBER: BBI-013CP
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (617) 227-7400
? TELEFAX: (617) 227-5941
? INFORMATION FOR SEQ. ID NO.: 3:
? SEQUENCE CHARACTERISTICS:
```


Best Local Similarity 97.5%; Pred. No. 4,3e-168;
Matches 613; Conservative 0; Mismatches 4; Indels 12; Gaps 2;

```

OY 2 gatccttaagaccactttcaacatttaagtgttttcttaaccgatgatcaatca 61
DB 629 GATGAGATCAGACCCACTTTCACATTAAGTTGTTTCTTAATCCGATATGATCAATTC 570
OY 62 aggcgaataaagaagctgctcgtcgaaccttggatcaataatcgaagtgtgct 121
DB 569 AGGCCGATAGAGAGGCTGCTGACCTTGATGATCAATATTCGATAGCTTGCTGCT 510
OY 122 aataatgagcagatcactatagatagatggttccctcctcctccttaagatgagtc 181
DB 509 AATAATGCGCGCATACTATAGTATAGTATGTTCCCTTCTTCTTATAGGATTTGATGC 450
OY 182 tcttgatcttccataacgcaacctaaagtaaaatgccccacagcgctgagatataat 241
DB 449 TCTTGATCTTCCAAATGACCACTAAAGTAAATGCCCGACGCGTGAATGATATAT 390
OY 242 gcatctctca--gaaaacctgtgtgcaataaaagcgaatgatttccgaagtctca 299
DB 389 GCATCTCTAGTGAATAAACCCTGTGTCATTAAGGCTAATGATTGTTGAGAGTTTCA 330
OY 300 tactgtttctctgaagcg-----tgactttgtcccatcgagatagat 349
DB 329 TACTGTTTCTTCTAGGCCCTGACTAAATGACTTTTCTCTCATCGCATACTTACT 270
OY 350 aagaacatctaaaccttttagcgtattacgttaaaatcttgccagctttccctct 409
DB 269 AAGGACATCTAAACTTTTATGCGCTTATTACGTAAATAAATCTTGCCAGCTTCCCTTCT 210
OY 410 aaaggcaaaagatagatagtgctcctatcaacatctcaatgctgaagcgctcgaacaa 469
DB 209 AAAGGCAAAAGTATGATGCTGCTATCAATCTCAATGCTAAGGCGTGACCAAA 150
OY 470 gccgccttatttllacatgcacatacaatgtagcgtcctacacatagctctgagcg 529
DB 149 GCGCGCTTATTTTACATGCCAATACATAGTAGGCTGCTCTACCTACTGCTTGGCG 90
OY 530 agtttaggggttgaacaccttcgacatccgaacctaaagcagctcctaaagcgctgtta 589
DB 89 AGTTAGCGGTTGTTAAACCTTCGATTCGACCTCATTAAGGCTCTAATGCGCGTGT 30
OY 590 atcaccttacttactcaatcgaat 618
DB 29 ATCATTACTTTATCTAATCTAGACAT 1

```

RESULT 10
US-08-474-169-5/C
Sequence 5, Application US/08474169

Patent No. 5851796
GENERAL INFORMATION:
APPLICANT: Schatz, David G.
TITLE OF INVENTION: An Autoregulatory Tetraacycline-Regulated
TITLE OF INVENTION: System for Inducible Gene Expression in Eucaryotes
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
STREET: 1100 New York Ave. Suite 600
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474,169
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 4455 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 774..1778
US-08-474-169-5

Query Match

Best Local Similarity 98.1%; Pred. No. 5,3e-167;
Matches 608; Conservative 0; Mismatches 0; Indels 12; Gaps :

```

OY 11 gaccacattcaacatttaagtgttttcttaacgcgataatgataatcaagccgaat 70
DB 1393 GACCCACTTTCACATTAGTGTGTTTCTTAATCCCATATGATCAATTCAGCCGGAAT 1334
OY 71 aagaagcgtgctcgtcacccttggtatcaataatctgatatgctgtgataatagc 130
DB 1333 AAGAAGCCTGCTGACCTTGATCAATAATTCATAGCTGCTGTAATATGCT 1274
OY 131 gcatcactcaatagatagtgcttcctcctcctcctccttagcagcttgagctcgtatc 190
DB 1273 GCATCTCTATCACTAGTATAGTGTGTTTCTTCTTTCAGCATGATGATGCTTGTATCT 1214
OY 191 tccaatcagcaacctaaagtaaaatgccccacagcgctgagtgatataatgcatctct 250
DB 1213 TCCAAATCACCACACTTAAATGAATGCCCCACAGCGCTGAGTGCATATATCATCTCTCT 1154
OY 251 a--gaaaacctgtgtgataaaagcgaatgatttctgaaggttcatagctttt 308
DB 1153 AGTGAATAAACCCTGTTGGATTAATAAGGCTAATGTTTTCAGAGTATTCATCTGTTTT 1094
OY 309 tctgtagcgcg-----tgactttgtcctcgcagatgacttagtaagacat 358
DB 1093 TCTGTAGGCGCTGTACTAATATGTAATTTTGTGCTCCATCGCATGATTTAGTAAGACAT 1034
OY 359 ctaaaacctttagcgttattacgttaaaaaatcttgccagcttccctcctaaaggcaa 418
DB 1033 CTAAAACTTTTAGCGTTATTACGTAAATAATCTTGCCACGCTTCCCTCTTAAGGCA 974
OY 419 aagttagatagtgctcactcaatcctcaatgagcgtcgaagcgctgagcaaacggccta 478
DB 973 AAGTAGATGATGCTGCTATCTAATCTCAATGCTTAAGGCGTGAAGCAACCGCTTTA 914
OY 479 tttttacatgcacaataatgtagcgtcctcctacacatagctcctcgtgagcgttllacg 538
DB 913 TTTTTCATGCGCAATACATATAGTATGCTCTTACACCTAGCTTCTGGCGGATTTAGCG 854
OY 539 gtgttaggcttctgattcgaacctcaatgaagcagcctcaatgagcgtgttlaacactta 598
DB 853 GTTGTAAACCTTCATTCGACCTCATTAAGCAGCTGAATAGCGCTGTATATCACTTTA 794
OY 599 ctttatcctaatcgaat 618
DB 793 CTTTATCTAATCTAGACAT 774

```

RESULT 11

US-09-162-184-36/C
Sequence 36, Application US/09162184A
Patent No. 6136954
GENERAL INFORMATION:
APPLICANT: Bujard, Hermann
Gossen, Manfred
TITLE OF INVENTION: Tetraacycline-Inducible Transcriptional

Activator Fusion Proteins

NUMBER OF SEQUENCES: 37
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD
 STREET: 28 State Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109-1875
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: ASCII Text
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/162,184A
 FILING DATE: 28-Sep-1998
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/383,754
 FILING DATE: 03-FEB-1995
 APPLICATION NUMBER: US 08/275,876
 FILING DATE: 15-JULY-1994
 APPLICATION NUMBER: US 08/270,637
 FILING DATE: 01-JULY-1994
 APPLICATION NUMBER: US 08/260,452
 FILING DATE: 14-JUNE-1994
 APPLICATION NUMBER: US 08/076,327
 FILING DATE: 14-JUNE-1993
 APPLICATION NUMBER: US 08/076,726
 FILING DATE: 14-JUNE-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: DeConti, Giulio A. Jr.
 REGISTRATION NUMBER: 31,503
 REFERENCE/DOCKET NUMBER: BBI-009CG6CN
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617)227-7400
 TELEFAX: (617)742-4214
 INFORMATION FOR SEQ ID NO: 36:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 652 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 SEQUENCE DESCRIPTION: SEQ ID NO: 36:
 US-09-162-184-36

Query Match 84.5%; Score 574.8; DB 3; Length 652;
 Best Local Similarity 97.7%; Pred. No. 5,6e-167;
 Matches 608; Conservative 0; Mismatches 2; Indels 12; Gaps 2;

Oy 9 aagaccacattcacattgaattgttttctaacgcgatatgatcaatcaaggcga 68
 Db 628 AGGACCCACTTTCACATTTAAAGTTGTTTCTAAATCCGATATGATCAATTAAGGCCCA 569
 Oy 69 ataagaagctgctgcctgcgacctgtgtgcaataataatcgaatcgttcgtaaatg 128
 Db 568 ATTAAGAGGCTGCTCTGCACCTGTGTGATCAATAATTCGATACCTTCTGTAATAAG 509
 Oy 129 gcgcatactatcagtagtagtgtttcccttctctttagagaacttgagctcttgat 188
 Db 508 CGCGCATCTATCATAGTAGAGTGTTCCTTCTTCTTACGCACTTGATGCTCTTCAAT 449
 Oy 169 ctccaataacgaactaaagtaaaatgccccacagcgctgagtgatataatgactct 248
 Db 448 CTTCAATATGCAACCTAAGTAAGTAAGTCCACAGCGCTGAGTGCATATAATGCAATCT 389
 Oy 249 cta--gaaaaccttggtgcataaaagagctaatctgatttcgagagttcaactgtt 306
 Db 388 CTAGTGAATAAACCTTGTGGCATAAAGGCTAATTTGATTTCGAGAGTTTCATCTGTT 329

Oy 307 ttctctgagccg-----tgtactttgtccatcgcgagtactgataaagcac 356
 Db 328 TTCTGTGGCGCGGTGACTTAATGATATTTTGTGCCATCGGATGACTTATGTAAGCAC 269
 Oy 357 atctaaacctttagcgttattcagtaaaaaatctgccagcttccctcttaagggc 416
 Db 268 ATCTAAACTTTAGCCCTTATATAGCTAAATAAATCTTGCACCTTCCCTCTTAAAGGCG 209
 Oy 417 aaaagtgtatgtgacctatctaacatctaatgctaaaggcgtcgaagaagccgct 476
 Db 208 AAAAGTGATAGTGCTATCTTACATCTCAATGGCAAGCGCTCGAGCAAGCCGCT 149
 Oy 477 tattttaccatgccaatacaatgtaggcgtcctcacacctaagcttctcggcgagttac 536
 Db 148 TATTTTACATGCCAATACAAATAGAGCTGTCTACACCTGTTGGCGGAGATTAC 89
 Oy 537 gggctgttaaaccttcgattccgaccttaataagcagctcctaagcgctgttaacact 596
 Db 88 GGGTGTAAACCTTCGATTCGACCTCATTAAGCAGCTTAATGCGCTGTTAATCACTT 29
 Oy 597 tactttatctaatctagacat 618
 Db 28 TACTTTATCTAATCTAGACAT 7

RESULT 12
 US-09-489-777A-36/c
 Sequence 36, Application US/09489777A
 Patent No. 6271348
 GENERAL INFORMATION:
 APPLICANT: Bujard, Hermann
 Gossen, Manfred
 TITLE OF INVENTION: Tetraacycline-Inducible Transcriptional
 Inhibitor Fusion Proteins
 NUMBER OF SEQUENCES: 37
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: LAHIVE & COCKFIELD
 STREET: 28 State Street
 CITY: Boston
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02109-1875
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: ASCII Text
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/489,777A
 FILING DATE: 24-Jan-2000
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 09/162,184
 FILING DATE: 28-SEP-1998
 APPLICATION NUMBER: US 08/485,978
 FILING DATE: 07-JUN-1995
 APPLICATION NUMBER: US 08/383,754
 FILING DATE: 03-FEB-1995
 APPLICATION NUMBER: US 08/275,876
 FILING DATE: 15-JULY-1994
 APPLICATION NUMBER: US 08/270,637
 FILING DATE: 01-JULY-1994
 APPLICATION NUMBER: US 08/260,452
 FILING DATE: 14-JUNE-1993
 APPLICATION NUMBER: US 08/076,726
 FILING DATE: 14-JUNE-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: DeConti, Giulio A. Jr.
 REGISTRATION NUMBER: 31,503
 REFERENCE/DOCKET NUMBER: BBI-009CG6CNDV
 TELECOMMUNICATION INFORMATION:

TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 652 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09-489-777A-36

Query Match 84.5%; Score 574.8; DB 4; Length 652;
Best Local Similarity 97.7%; Pred. No. 5.6e-167;
Matches 608; Conservative 0; Mismatches 2; Indels 12; Gaps 2;

QY 9 aagaccactttcacatttaagtgttttcttaaccgcatatgatcaatccaagccga 68
DB 628 AGGACCCACTTTCACATTTAAGTGTGTTTCTAATCCGATATGATCAATTCAGGCCGA 569
QY 69 atagaagagctgtgctctgcaccccttgatgataataatcagatagcttgcgataatg 128
DB 568 ATAGAAGGCTGCTGCACTGCACTGCTGATCAATAATTCGATAGCTTGCTGTAATAATG 509
QY 129 gcgcatactacagtagtagtggttcccttctctttagaggaacttgatgcttgc 188
DB 508 GCGGCATCTACTATAGTAGTAGTGTTTCCCTTCTTCTTAGGCACTTGATGCTTGAT 449
QY 189 ctccaatacgaacccaataaagtaaaatgcacacagcgtgaatgataataagcattct 248
DB 448 CTTCGAATAGCAACTAAAGTAATAATGCCACAGCGGAGTGCATATAATGCAATTCT 389
QY 249 cta--gaataacctgttgacataaaaaggctaatgattcttcgagaagttcactcgtt 306
DB 388 CTAGTAATAAAACCTTGTGGCATAAAGGCTAATGATTTTTCGAAGAGTTTCATCTGTT 329
QY 307 tttctagagccg-----tgactttgtctcctacgcagatgaactgaagaagcac 356
DB 328 TTTCTGTAGCGCGCTGACTAATGTAATTTTCTTCATTCGATCGCATACTTAGTAAGCAC 269
QY 357 atcctaacttttagcgttatttaagtaaaaaatcttgcagctttccctctcaaaaggc 416
DB 268 ACTTAACCTTTAGCCTTATTACGTAATAAAATCTTGCCAGCTTCCCTCTTAAGGGC 209
QY 417 aaaaagtagtagtgccatctcaacatctcaatgctgaagagctgaagaagccgcgt 476
DB 208 AAAAGTAGTAGTGCTCTATCTCAATCTCAATGCTAAGGCTGACCAAGCCCGCT 149
QY 477 tatcttcatgccaatacaaatgtagcgtcctcctacacctagctctcgagagtttac 536
DB 148 TATTTTTCATGCCAATACATGTAAGGCTGCTCTACACCTTAACCTTCTGGCCAGTTTAC 89
QY 537 ggggtgtaaaccttcgattcgcagaccttaagcagcctctaagtcgctgttaactt 596
DB 88 GGGTGTGTAACCTTGATTCGACCTCAATTAAGCAGCTCTAATGCGCTGTAATATGACTT 29
QY 597 tactttatcctaactcagacat 618
DB 28 TACTTTATCTAATCTAGACAT 7

RESULT 13
US-08-485-971-16/c
Sequence 16 Application US/08485971
Patent No. 5589362
GENERAL INFORMATION:
APPLICANT: Bujard, Hermann
APPLICANT: Gossen, Manfred
APPLICANT: Hillen, Wolfgang
APPLICANT: Hehl, Vera
APPLICANT: Schnappinger, Dirk
TITLE OF INVENTION: Tetracycline-Regulated Transcriptional

NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, Suite 510
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,971
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/270,637
FILING DATE: 01-JULY-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/260,452
FILING DATE: 14-JUNE-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/076,327
FILING DATE: 14-JUNE-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/076,726
FILING DATE: 14-JUNE-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: DeConti, Giulio A. Jr.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: B1-009CP7
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 621 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-485-971-16

Query Match 84.5%; Score 574.4; DB 1; Length 621;
Best Local Similarity 97.9%; Pred. No. 7.2e-167;
Matches 607; Conservative 0; Mismatches 1; Indels 12; Gaps 2;

QY 11 gaccacatttcacatttaagtgttttcttaaccgcatatgatcaatccaagccgaat 70
DB 620 GACCCACTTTCACATTTAAGTGTGTTTCTAATCCGATATGATCAATTCAGGCCGAT 561
QY 71 aagaagagctgtgctctgcaccccttgatgataataatcagatagcttgcgataatgac 130
DB 560 AAGAAGGCTGCTGCACTGCTGATCAATAATTCGATAGCTTGCTGTAATAATGCG 501
QY 131 ggcatactacagtagtagtggttcccttctctttagcgaacttgatgcttgatct 190
DB 500 GGCATACATCTAGTAGTAGTGTTCCTTTCTTTTAGCGACCTTGATGCTCTTGATCT 441
QY 191 tccaatacgaacccaataaagtaaaatgcacacagcgcgtgagtgatataatgacttct 250
DB 440 TCCATATAGCAACCTAAGTAATAATGCCACAGCGCTGAGTGCATATAATGCAATTCCT 381

OY	251	a - gaataaaccttgctggcgaataaaagccgaatctgtcttcgcgagcttaacactgtttc	308
Db	380	AGTAAATAAACCTGTGTGGCATATAAAGGCTPATTTGATTTCGAGAGTTTACTGTITTT	321
OY	309	tcctgaagccg - - - - - tgaactctgcctccalcgcgaatgaacttaagaacacat	358
Db	320	TCTGTAGGCCCTGTACTAAATATGTACTTTTCTGTCATCGGGATGACTATATAAGCAT	261
OY	359	ctaaaacctttagcgtatctaatcgtlaaaataacctgcgcagctttccctctaaaggcga	418
Db	260	CTAAACCTTTAGGCTTATATTACGTAAATAAACTCTTGCCACGCTTCCCTTTAAAGGC	201
OY	419	aagtgagatagtgctccatctcaaatctcaatgctcgaagcgttcgaagcaagcccgctta	478
Db	200	AAGTGAGATAGTGTCCCTATCTAAATCTCAATGGCTGAAGCGTGTGACCAAGCCCGCTTA	141
OY	479	ctctctacaatgcataacatgtatgagctgcctcacaactagctctctggcgagttacg	538
Db	140	TTTTTTTACATCCCATACAAATGTAAGGCTGCTCTACACTGAGCTTCTGGCGAGTTACGG	81
OY	539	gtctgtaaaccttcgattcgcgaacctcaatlaagcagcgtctcaatgcgtcttaacactta	598
Db	80	GTTGTTAAACCTTGATTCGACCTCATTTAAGCAGCTCTAATGCGCTGTTAATCACCTTTA	21
OY	599	ctttatctcaatctagacat 618	
Db	20	CTTTATCTTAATCTAGACAT 1	

APPLICATION NUMBER: US 08/076,726
FILING DATE: 14-JUNE-93
CLASSIFICATION: 436
ATTORNEY/AGENT INFORMATION:
NAME: DECONTLI, GIULIO A. JR.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: BBI-009CP2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 621 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-383-754-16

GENERAL INFORMATION:
APPLICANT: Bujard, Hermann
APPLICANT: Gossen, Manfred
TITLE OF INVENTION: Methods for Regulating Gene Expression
NUMBER OF SEQUENCES: 28
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, Suite 510
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/485,978
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/383,754
FILING DATE: 03-FEB-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/275,876
FILING DATE: 15-JULY-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/270,637
FILING DATE: 01-JULY-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/260,452
FILING DATE: 14-JUNE-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/076,327
FILING DATE: 14-JUNE-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/076,726
FILING DATE: 14-JUNE-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: DeConti, Giulio A. Jr.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: BBI-009CP6
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 621 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: CDNA
US-08-485-978-16

Query Match 84.5%; Score 574.4; DB 1; Length 621;
Best Local Similarity 97.9%; Pred. No. 7.2e-167;
Matches 607; Conservative 0; Mismatches 1; Indels 12; Gaps 2;
QY 11 gaccacattcacatttaagtgttttcttaacccgcatatgataatcaaggccgat 70
DB 620 GACCACATTTCACATTTAAGTTGTTTCTTAATCCGCATATGATCAATCAAGCGCAAT 561
QY 71 aagaagctgagctctgcaaccttgatgataaataatcgatagctgtcgtaataatgac 130
DB 560 AAGAAGCTGAGCTCTGCAACCTTGTGATCAATATGATGATGACGTTGCGTAATATGAC 501

QY 131 ggcatactatcagtagtaggtgttcccttcttctttagcgacttgatgctcttgacct 190
DB 500 GGCATACCTATCACTAGTAGGTGTTCCCTTCTTCTTACGCACTTGATGCTCTGATCG 441
QY 191 tccaatagcgaacctaaagtaaaatcccccagcagcagtagtgcataatgatctctc 250
DB 440 TCCAATAGCGAACCTTAAGTAATAATGCCACGCCCTGAGTGCATTAATGCAATTCCT 381
QY 251 a--gaaacacttgcttgcatataaaagactaattgttgagagttcatactgttt 308
DB 380 AGTGAATAAACCTTGTGGCATATAAAGGCTAATTGATTTTCAGAGTTTCATATCTTTT 321
QY 309 tctgtagcgccg-----tgtactttgtccatcgcgatgacttagtaagcacat 358
DB 320 TCTGTAGGCCGTGTACCTTAATGTACTTTTGCTCCATCGGATGACTTAGTAAGCACAT 261
QY 359 ctaaaactttagcgcttattacgtataaaatcttgccacacttccctcttaaggcaca 418
DB 260 CTAAACTTTTAGCCTTATTACGTATAAATACTTGGCACCTTTCCTTAAGGCGCA 201
QY 419 aagtgagtagtggtgacctataacatcgaatggtcgaagcgctcgagcaagcccgctta 478
DB 200 AAGTGAGTAGTGGTGCTATCTTAACATCTCAATGGCTAAGGCGTGAAGCCCGCTTA 141
QY 479 tttttacatgcccataacaaatgtaggcgtctctaacacctagcttctggcgagttacgg 538
DB 140 TTTTTCACATGCCAAATACATGTAGGCTGCTCTACACCTTCTGCGCGGATTTACGG 81
QY 539 gtgtttaaaccttgatcgcgaacctcaatgaacgaactgaagcgctgtgtaacctta 598
DB 80 GTTGTTAACCTTGATTCGACCTTCGACCTCAITTAAGCAGCTTAATGCGCTGTTAATCACTTTA 21
QY 599 ctttatcctaactagacat 618
DB 20 CTTTATCTTAATCTAGACAT 1

Search completed: March 8, 2002, 13:16:54
Job time: 4596 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: March 8, 2002, 12:00:18 ; Search time 101.7 seconds
(without alignments)
1369.557 Million cell updates/sec

Title: US-09-600-392-35

Perfect score: 615

Sequence: 1 ggagctcttaagaccactt.....ttactttatctaatctaga 615

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 351203 seqs, 113238999 residues

Total number of hits satisfying chosen parameters: 702406

Minimum DB seq length: 0
Maximum DB seq length: 200000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :
1: /cgn2_6/ptodata/2/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PTUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfilltest.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	577	93.8	2	US-08-392-771-5
2	577	93.8	2	US-08-850-880-11
3	577	93.8	2	US-08-944-916-11
4	575.6	93.6	894	1 US-08-076-726-10
5	575.6	93.6	894	1 US-08-260-452-3
6	575.6	93.6	894	2 US-08-481-970-3
7	575.6	93.6	894	2 US-08-897-719-3
8	575.6	93.6	894	4 US-09-163-269-3
9	573	93.2	4455	2 US-08-474-169-5
10	573	93.2	6206	2 US-08-474-169-3
11	572.2	93.0	3266	2 US-08-737-316A-2
12	571.8	93.0	652	3 US-09-162-184-36
13	571.8	93.0	652	4 US-09-489-777A-36
14	571.4	92.9	621	1 US-08-485-971-16
15	571.4	92.9	621	1 US-08-383-754-16
16	571.4	92.9	621	1 US-08-485-978-16
17	571.4	92.9	621	2 US-08-486-814-16
18	571.4	92.9	621	2 US-08-487-472-16
19	571.4	92.9	621	3 US-08-485-740-16
20	571.4	92.9	621	3 US-09-162-184-16
21	571.4	92.9	621	4 US-09-161-902-16
22	571.4	92.9	621	4 US-09-489-777A-16
23	571.4	92.9	621	5 PCT-US95-08179-16
24	571.4	92.9	819	3 US-09-162-184-35
25	571.4	92.9	819	4 US-09-489-777A-35
26	571.4	92.9	1008	1 US-08-076-726-8
27	571.4	92.9	1008	1 US-08-260-452-1

28	571.4	92.9	1008	2	US-08-481-970-1	Sequence 1, Appl
29	571.4	92.9	1008	2	US-08-897-719-1	Sequence 1, Appl
30	571.4	92.9	1008	4	US-09-163-269-1	Sequence 1, Appl
31	571.4	92.9	1443	3	US-09-162-184-37	Sequence 37, Appl
32	571.4	92.9	1443	4	US-08-489-777A-37	Sequence 37, Appl
33	571.4	92.9	1956	3	US-08-653-940-2	Sequence 2, Appl
34	565	91.9	621	1	US-08-485-971-18	Sequence 18, Appl
35	565	91.9	621	1	US-08-383-754-18	Sequence 18, Appl
36	565	91.9	621	1	US-08-485-978-18	Sequence 18, Appl
37	565	91.9	621	2	US-08-486-814-18	Sequence 18, Appl
38	565	91.9	621	2	US-08-487-472-18	Sequence 18, Appl
39	565	91.9	621	3	US-08-485-740-18	Sequence 18, Appl
40	565	91.9	621	3	US-09-162-184-18	Sequence 18, Appl
41	565	91.9	621	4	US-09-161-902-18	Sequence 18, Appl
42	565	91.9	621	4	US-09-489-777A-18	Sequence 18, Appl
43	565	91.9	621	5	PCT-US95-08179-18	Sequence 18, Appl
44	565	91.9	1008	1	US-08-485-971-1	Sequence 1, Appl
45	565	91.9	1008	1	US-08-275-876-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-08-392-771-5/c
Sequence 5, Application US/08392771
Patent No. 5917122
GENERAL INFORMATION:
APPLICANT: Byrnie, Guerdard
TITLE OF INVENTION: TETRACYCLINE REPRESSOR-MEDIATED BINARY
TITLE OF INVENTION: REGULATION SYSTEM FOR CONTROL OF GENE EXPRESSION IN
TITLE OF INVENTION: TRANSGENIC ANIMALS
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: BAXTER INTERNATIONAL INC.
ADDRESSEE: LAW DEPARTMENT, MPR-A2S
STREET: 1620 N. WAUKEGAN ROAD
CITY: MCGAW PARK
STATE: ILLINOIS
COUNTRY: USA
ZIP: 60085
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/392.771
FILING DATE: 24-FEB-1995
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: MATTENSON, CHARLES R.
REGISTRATION NUMBER: 30,660
TELECOMMUNICATION INFORMATION:
TELEPHONE: 847-473-6693
TELEFAX: 847-473-6933
INFORMATION FROM SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 624 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS
LOCATION: 1..624
US-08-392-771-5
Query Match 93.8%, Score 577, DB 2, Length 624;
Best Local Similarity 98.1%, Pred. No. 6e-176;
Matches 609; Conservative 0; Mismatches 0; Indels 12; Gaps

Oy	7	cttaagaccacacttcaacatlaagctgctttcttcaatccgaatcgaatgatcaatcgaagcc	6
Db	624	tttaaacaccacactttacattttagctgtttttttcttaacccgaatgatcaatcgaagcc	56
Oy	67	gaataagaagcttgctctgcacacttggtgatcaataatcgaatagcttgcgtataa	12
Db	564	gaatgaagaagcctggcctctgcacacttggtgatcaataatcgaatagcttgcgtataa	50
Oy	127	tggggcgaactatcagaatgagtgcttccctctctctctctctctctctctctctctg	18
Db	504	tggcggcattactatagtagtagtggttcccttctctctctctctctctctctctctg	44
Oy	187	atctccgaatacgaacactaaagtaaaatgccgcacgcgcgaatgcatataaagcat	24
Db	444	atcttcccaatagcgaactaaagtaaaatgccgcacgcgcgaatgcatataaagcat	38
Oy	247	ctctca - gaataaaccttgcttgccataaaaggctaaatlgatcttcgaagatcctac	30
Db	384	ctctagtgaaaaaactctgttgccataaaaggctaaatlgatcttcgaagatcctac	32
Oy	305	ttttctctgtagcg -	35
Db	324	ttttctctgtagcg -	26
Oy	355	acatcctaaacacttttagcgatatacgtataaaacatctgcgaactctccctctaaag	41
Db	264	acatctaaacacttttagcgatatacgtataaaacatctgcgaactctccctctaaag	20
Oy	415	gcaaaagtgagatgctgctcctatcctaacaatcgaatcgaatgctgaagcgtcgaagaagccg	47
Db	204	gcaaaagtgagatgctgctcctatcctaacaatcgaatcgaatgctgaagcgtcgaagaagccg	14
Oy	475	cttatctttcacaigcgaataacatgtagctgctctacacactagctctcggcgagltt	53
Db	144	cttatctttttacatcccaatcaaatgtagcgtgctctacacactagctctcggcgagltt	85
Oy	535	acgggtgtttaaaccctcgaatccgaactcgaatgaagcagcttaatgagcgttaataac	59
Db	84	acgggtgtttaaaccctcgaatccgaactcgaatgaagcagcttaatgagcgttaataac	25
Oy	595	ttactcttaccatcgaatcga 615	
Db	24	tttacttttatctaatctaga 4	
RESULT 2			
US-08-850-880-11			
Sequence 11, Application US/08850880			
Patent No. 5925545			
GENERAL INFORMATION:			
APPLICANT: Reznikoff, William S			
APPLICANT: Gorysin, Igor Y			
APPLICANT: Zhou, Hong			
TITLE OF INVENTION: System for In Vitro Transposition			
NUMBER OF SEQUENCES: 11			
CORRESPONDENCE ADDRESS:			
ADDRESSEE: Quarles & Brady			
STREET: 1 South Pinckney Street			
CITY: Madison			
STATE: WI			
COUNTRY: USA			
ZIP: 53703			
COMPUTER READABLE FORM:			
MEDIUM TYPE: Floppy disk			
COMPUTER: IBM PC compatible			
OPERATING SYSTEM: PC-DOS/MS-DOS			
SOFTWARE: PatentIn Release #1.0, Version #1.30			
CURRENT APPLICATION DATA:			
APPLICATION NUMBER: US/08/850.880			
FILING DATE:			
CLASSIFICATION: 435			
ATTORNEY/AGENT INFORMATION:			
NAME: Berson, Bennett J			

```

1 REGISTRATION NUMBER: 37094
2 REFERENCE/DOCKET NUMBER: 960296, 94142
3 TELECOMMUNICATION INFORMATION:
4 TELEPHONE: 608/251-5000
5 TELEFAX: 608-251-9166
6 INFORMATION FOR SEQ ID NO: 11:
7 SEQUENCE CHARACTERISTICS:
8 LENGTH: 19182 base pairs
9 type: nucleic acid
10 STRANDEDNESS: double
11 TOPOLOGY: circular
12 MOLECULE TYPE: other nucleic acid
13 DESCRIPTION: /desc = "Plasmid pR24196"
14
15 FEATURE:
16 NAME/KEY: repeat_unit
17 LOCATION: 94..112
18 OTHER INFORMATION: /note= "Wild type OE sequence"
19
20 FEATURE:
21 NAME/KEY: repeat_unit
22 LOCATION: 12184..12225
23 OTHER INFORMATION: /note= "Cassette IE"
24
25 US-08-850-880-11
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
```

```

RESULT 3
US-08-944-916-11
: Sequence 11, Application US/08944916
: Patent No. 5948622
: GENERAL INFORMATION:
: APPLICANT: Reznikoff, William S
: APPLICANT: Goryshin, Igor Y
: APPLICANT: York, Dona L
: APPLICANT: Zhou, Hong
: TITLE OF INVENTION: System for In Vitro Transposition
: NUMBER OF SEQUENCES: 13
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Charles & Brady
: STREET: 1 South Pinckney Street
: CITY: Madison
: STATE: WI
: COUNTRY: USA
: ZIP: 53703
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/944,916
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/814,877
: FILING DATE: 09-SEP-1996
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/850,880
: FILING DATE: 02-MAY-1997
: ATTORNEY/AGENT INFORMATION:
: NAME: Beison, Bennett J
: REGISTRATION NUMBER: 37094
: REFERENCE/DOCKET NUMBER: 960296,94916
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 608/251-5000
: TELEFAX: 608-251-9166
: INFORMATION FOR SEQ ID NO: 11:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 19182 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: circular
: MOLECULE TYPE: other nucleic acid
: DESCRIPTION: /desc = "Plasmid pr24196"
: FEATURE:
: NAME/KEY: repeat_unit
: LOCATION: 94..112
: OTHER INFORMATION: /note= "Wild type OE sequence"
: FEATURE:
: NAME/KEY: repeat_unit
: LOCATION: 12184..12225
: OTHER INFORMATION: /note= "Cassette IE"
US-08-944-916-11

Query Match 93.8%, Score 577; DB 2; Length 19182;
Best Local Similarity 98.1%; Pred. No. 2,9e+175;
Matches 609; Conservative 0; Mismatches 0; Indels 12; Gaps 2;

QY 7 ttaagaccacttcacattaaagtgtttcttaacccgacatgatcaattcaaggcc 66
DB 6943 TTAAGACCCACTTTCACATTAAAGTTGTTTCTAATCCGCATATGATCAATTCAGGCC 7002
QY 67 gataaagaagctgtgctgtgcacccctgtgtgatcaataatttgatagctgtgcgtaataa 126
DB 7003 GAATAGAAGGCTGTGCTGTGCACCTTGATGATCAATAATTCGATAGCTGTGCGTAATAA 7062
QY 127 tggcgacatactcatcagtagtggtttcccttctcttagagacttgatgctctg 186

```

```

DB 7063 TGGCGGACATACATCAGTAGTAGTGTTCCTTTCTTCTTACCGACTTATGCTTTG 7122
QY 187 atcttcaaatagcgaacacaaagtaaaatgccccacagcgtgagtcataataatgacat 246
DB 7123 ATCTTCCAAATACGCAACCTTAAGTAAATGCCACAGCGCTGAGTGCATTAATGCAAT 7182
QY 247 ctcta--gaaaaacctgtgtgcaataaaaggctaatgtatcttcgagaatgttcaactg 304
DB 7183 CTCTAGTGAAAAACCTTGTGTGCAATAAAAGCTAATGATTTTCGAGAGTTTCATACGTG 7242
QY 305 tttctcgtagcg-----tgtaacttgcgcgcgcgagatgacttgaatgac 354
DB 7243 TTTTCTGTAGCGCGGTGACCTTAATGTACTTTGCTTCACATGGGATGACTAGTAAAGC 7302
QY 355 acatctaaaccttttagcgtattatcgaataaaacttgcgaagcttcccttcctcaagg 414
DB 7303 ACATCTAAACCTTTTAGCGGTATTACGTAATAAATCTTGCCAGCTTTCCTTTAAAGG 7362
QY 415 gcaaaagtgaatgtgctcatctcaacatcgaatgctgaagcgtcgaagcaaaagccg 474
DB 7363 GCAAAAGTAGTATGCTGCTCATCTAATCAATGCTTAAGCGCTGACCAAAAGCCG 7422
QY 475 ctatctttcaatgcaatacaaatgtagcgtgctcaacactgaactctcgtggcagttc 534
DB 7423 CTATATTTTACATGCCAAATGTAAGCTGCTCAACCTGCTTCTGCGCAGATT 7482
QY 535 acgggtgttaaccttgcattccgaccttaagcagcctcaatgagcgtgtaaacac 594
DB 7483 ACGGTTGTTAACCTTGATGATCCACCTCATTAAGCAGCTCTAATGCGCTGTAAATCAC 7542
QY 595 ttactttatcatcctaga 615
DB 7543 TTTACTTTATCTAATCTAGA 7563

RESULT 4
US-08-076-726-10/C
: Sequence 10, Application US/08076726
: Patent No. 5464758
: GENERAL INFORMATION:
: APPLICANT: Gossen, Manfred
: APPLICANT: Bujard, Hermann
: TITLE OF INVENTION: Tight Control of Gene Expression in
: TITLE OF INVENTION: Eucaryotic Cells by Tetracycline-responsive Promotr
: NUMBER OF SEQUENCES: 16
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Sterne, Kessler, Goldstein & Fox
: STREET: 1100 New York Avenue, N.W.
: CITY: Washington
: STATE: District of Columbia
: COUNTRY: United States of America
: ZIP: 20005-3934
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/076,726
: FILING DATE: 14-JUN-1993
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Esmond, Robert W.
: REGISTRATION NUMBER: 32,893
: REFERENCE/DOCKET NUMBER: 0942, 2490001
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (202)371-2600
: TELEFAX: (202)371-2540
: TELEX: 248636 SSK
: INFORMATION FOR SEQ ID NO: 10:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 894 base pairs
: TYPE: nucleic acid

```

STRANDEDNESS: both
TOPOLOGY: both
FEATURE:
NAME/KEY: CDS
LOCATION: 1..891
US-08-076-726-10

Query Match 93.6%; Score 575.6; DB 1; Length 894;
Best Local Similarity 97.4%; Pred. No. 2e-175;
Matches 610; Conservative 0; Mismatches 4; Indels 12; Gaps 2;

```
OY 2 gatccttaagaccacattcaatttaagttttttcttaaccgagatgatcaattca 61
DB 629 GATGGATGACGACCACCTTACATTTAAATGTTTCTTAATCCGATATGATCAATTC 570
OY 62 aggcgcgaataaagaagcgtgcctgcacccttggtgatacaataatcgaatacgtcgt 121
DB 569 AGCGCGAATAAAGAAGCTGCTGCGACCTTGATCAATAATTCGATAGCTTGCTG 510
OY 122 aataatgcgcatatactacagtagtagtgccttcttcttcttcttaagcagcttgatc 181
DB 509 AATAATGGCGGCTACTATACAGTAGAGTGTTCCTTCTTCTTACCGACTTGATGC 450
OY 182 tctgattcttccatacgaacctaagaataaagcccaagcgcgtgagtcataataat 241
DB 449 TCTTATCTTCCCAATACCACTTAAGTAAGTAAATGCCCGACGCTGATCCATTAAT 390
OY 242 gcatctctta--gaaaacccctgtgtgcataaaagcctaattgattctcgaagttca 299
DB 389 GCATTCTCTAGTGAATAAACCTTGTTGGCATAAAGGCTAATTGATTTTCGAGAGTTGA 330
OY 300 tacgttttctcgtagcgccg-----tgactttgtccatcgcgcatgacttagt 349
DB 329 TACTGTTTCTGTAGGCGCTGTACCTAATGTACTTTGCTGCATCCGATGACTTAGT 270
OY 350 aaagcacatcraaaccttttagcgttattagtaaaacatcttgcaggttccctctc 409
DB 269 AAAGCACTCTTAACCTTTTACGCTTAATTAAGTAATAAATCTTGCCAGCTTCCCTTGT 210
OY 410 aaaggcaaaagtgtagtagtgcctatcctcaatgcataatgacgaagcgtcgaagca 469
DB 209 AAAGGCAAAAGTGTAGTGTGCGCTATCTAATCATGCTCATGAGGCGTCGAGCAAA 150
OY 470 gccgcctatttttcaatgccaatacaatgtaggcgtcctacacctaagcttcgagcg 529
DB 149 GCCGCCATTATTTTACATGCCAATACAAATGAGGCTGCTACACCTAGCTTGGGGG 90
OY 530 agtttaagcgtgttaaaccttgcagcttcgacccatcaagaagcttcaatgctgtta 589
DB 89 AGTTTAGCGGTGTAAACCTTTCGATTCGACCTTATTAAAGCACTTAATGCCCTGTTA 30
OY 590 atcaccttacttatactcaatcaga 615
DB 29 ATCACTTACTTTATCTAATCTAGA 4
```

RESULT 5
US-08-260-452-3/C
Sequence 3, Application US/08260452
Patent No. 5650298
GENERAL INFORMATION:
APPLICANT: Gossen, Manfred
APPLICANT: Bujard, Hermann
APPLICANT: Salfeld, Jochem
APPLICANT: Voss, Jeffrey
TITLE OF INVENTION: Tight Control of Gene Expression in Eucaryotic
TITLE OF INVENTION: Cells by Tetraacycline-responsive Promoters
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lahive & Cockfield
STREET: 60 State Street
CITY: Boston

```
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02109-1875  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: ASCII text  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/260.452  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/076.327  
ATTORNEY/AGENT INFORMATION:  
NAME: Giulio A. Decontil, Jr.  
REGISTRATION NUMBER: 31,503  
REFERENCE/DOCKET NUMBER: BBI-013CP  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (617) 227-7400  
TELEFAX: (617) 227-5941  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 894 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
ORIGINAL SOURCE:  
ORGANISM: Herpes Simplex Virus  
STRAIN: K12, KOS  
INDIVIDUAL ISOLATE: tTAS transactivator  
FEATURE:  
NAME/KEY: exon  
LOCATION: 1..894  
FEATURE:  
NAME/KEY: mRNA  
LOCATION: 1..894  
FEATURE:  
NAME/KEY: misc. binding  
LOCATION: 1..207  
FEATURE:  
NAME/KEY: misc. binding  
LOCATION: 208..297  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..891  
US-08-260-452-3
```

Query Match 93.6%; Score 575.6; DB 1; Length 894;
Best Local Similarity 97.4%; Pred. No. 2e-175;
Matches 610; Conservative 0; Mismatches 4; Indels 12; Gaps 2

```
OY 2 gatccttaagaccacattcaatttaagttttttcttaaccgagatgatcaattca 61
DB 629 GATGGATGACGACCACCTTACATTTAAATGTTTCTTAATCCGATATGATCAATTC 570
OY 62 aggcgcgaataaagaagcgtgcctgcacccttggtgatacaataatcgaatacgtcgt 121
DB 569 AGCGCGAATAAAGAAGCTGCTGCGACCTTGATCAATAATTCGATAGCTTGCTG 510
OY 122 aataatgcgcatatactacagtagtagtgccttcttcttcttcttaagcagcttgatc 181
DB 509 AATAATGGCGGCTACTATACAGTAGAGTGTTCCTTCTTCTTACCGACTTGATGC 450
OY 182 tctgattcttccatacgaacctaagaataaagcccaagcgcgtgagtcataataat 241
DB 449 TCTTATCTTCCCAATACCACTTAAGTAAGTAAATGCCCGACGCTGATCCATTAAT 390
OY 242 gcatctctta--gaaaacccctgtgtgcataaaagcctaattgattctcgaagttca 299
DB 389 GCATTCTCTAGTGAATAAACCTTGTTGGCATAAAGGCTAATTGATTTTCGAGAGTTGA 330
```

```

QY 300 tactgttttctgtagggcg-----tgactttgtccatcgagatagtagt 349
DB 329 TACTGTTTTCTGTAGGCGGCTGTACTTAATGATCTTTTGCTCCATCCGATGACTTAgT 270
QY 350 aaagacacataaaactttagcgtatctaacgttaaaaaacttgcgaacttccctct 409
DB 269 AAAGCAGATCTAAACTTTTACGCTTATTACGTAAAAAATCTTGCACGCTTCCCTTCT 210
QY 410 aaaggcaaaagtgagtagtggccatctcaacatctcaatgtgcaaggcgtcgagcaaa 469
DB 209 AAAGCGCAAAAGTAGTGTGCTGCTATCTCAATCTCAATGGCTAAGCGCTGAGCAAA 150
QY 470 gccgcgtatttttctacatgcacaaatgtaggcgtctctcaacactagctctcgagcg 529
DB 149 GCCCGCTATTATTTTACATGCCAATCAATGATGAGGCTGCTCTACACCTTAGCTTGGGGCG 90
QY 530 agttaaggggtgttaaaccttcgattccgacccatcaatgaagcagctcaatgcgtgta 589
DB 89 AGTTACGGGTTGTTAAACCTTCGATTCGACCTCATTAAGCAGCTTAATGCGCTGTTA 30
QY 590 atcaacttacttatactaatctaga 615
DB 29 ATCACTTACTTTTATCTAATCTAGA 4

RESULT 6
US-08-481-970-3/c
: Sequence 3, Application US/08481970
: Patent No. 5859310
: GENERAL INFORMATION:
: APPLICANT: Cossen, Manfred
: APPLICANT: Bujard, Hermann
: APPLICANT: Salfeld, Jochem
: APPLICANT: Voss, Jeffrey
: TITLE OF INVENTION: Animal Transgenic for a Tetracycline-Controlled
: NUMBER OF SEQUENCES: 10
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Lahive & Cockfield
: STREET: 60 State Street, Suite 510
: CITY: Boston
: STATE: Massachusetts
: COUNTRY: USA
: ZIP: 02109-1875
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: ASCII text
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/481,970
: FILING DATE:
: CLASSIFICATION: 800
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/260,452
: FILING DATE: 14-JUN-1994
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/076,327
: FILING DATE: 14-JUN-1993
: ATTORNEY/AGENT INFORMATION:
: NAME: Giulio A. DeConti, Jr.
: REGISTRATION NUMBER: 31,503
: REFERENCE/DOCKET NUMBER: BBI-013CP2
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617) 227-7400
: TELEFAX: (617) 227-5941
: INFORMATION FOR SEQ ID NO: 3:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 894 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)

```

```

: ORIGINAL SOURCE:
: ORGANISM: Herpes Simplex Virus
: STRAIN: K12, KOS
: INDIVIDUAL ISOLATE: tTAS transactivator
: FEATURE:
: NAME/KEY: exon
: LOCATION: 1..894
: FEATURE:
: NAME/KEY: mRNA
: LOCATION: 1..894
: FEATURE:
: NAME/KEY: misc. binding
: LOCATION: 1..207
: FEATURE:
: NAME/KEY: misc. binding
: LOCATION: 208..297
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 1..891
: US-08-481-970-3

```

```

Query Match      93.6%; Score 575.6; DB 2; Length 894;
Best Local Similarity 97.4%; Pred. No. 2e-175;
Matches 610; Conservative 0; Mismatches 4; Indels 12; Gaps

```

```

QY 2 gatccttaagaccacattcaacattgaattgttttcttaaccgacatagatcaattca 61
DB 629 GATGATCAGACCCACTTTCACATTTAAGTGTGTTTCTTAATCCCATATGATCAATTCA 570
QY 62 aggcgcaataaagagcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtcgtc 121
DB 569 AGCGCGAATTAAGAGCGTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCT 510
QY 122 aataatggcgcgtatctatcagtagtagtggttcccttcttcttcttcttcttcttct 181
DB 509 AATAATGCGCGCATACATCACTAGTACGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTG 450
QY 182 tcttgatcttccaaatgaacgaacttaagtaaatcccaacgacgtcgtatgacataat 241
DB 449 TCTTGATCTTCCAAATGACCAACCTTAAGTAATATCCACGCGCTGAGTGCATATATAT 390
QY 242 gcatctctca--gaaaaacctgtctgcatataaaagcctaattgatttctcgaagtcca 299
DB 389 GCATCTCTAGGAAAAACCTTGTGGCATTAAGGCGTAATTGATTTTCGAGAGTTTCA 330
QY 300 tactgttttctgtagggcg-----tgactttgtccatcgagatagtagt 349
DB 329 TACTGTTTTCTGTAGGCGGCTGTACTTAATGATCTTTTGCTCCATCCGATGACTTAgT 270
QY 350 aaagacacataaaactttagcgtatctaacgttaaaaaacttgcgaacttccctct 409
DB 269 AAAGCAGATCTAAACTTTTACGCTTATTACGTAAAAAATCTTGCACGCTTCCCTTCT 210
QY 410 aaaggcaaaagtgagtagtggccatctcaacatctcaatgtgcaaggcgtcgagcaaa 469
DB 209 AAAGCGCAAAAGTAGTGTGCTGCTATCTCAATCTCAATGGCTAAGCGCTGAGCAAA 150
QY 470 gccgcgtatttttctacatgcacaaatgtaggcgtctctcaacactagctctcgagcg 529
DB 149 GCCCGCTATTATTTTACATGCCAATCAATGATGAGGCTGCTCTACACCTTAGCTTGGGGCG 90
QY 530 agttaaggggtgttaaaccttcgattccgacccatcaatgaagcagctcaatgcgtgta 589
DB 89 AGTTACGGGTTGTTAAACCTTCGATTCGACCTCATTAAGCAGCTTAATGCGCTGTTA 30
QY 590 atcaacttacttatactaatctaga 615
DB 29 ATCACTTACTTTTATCTAATCTAGA 4

RESULT 7
US-08-897-719-3/c

```



```

: Sequence 3, Application US/08897719
: Patent No. 5922927
: GENERAL INFORMATION:
: APPLICANT: Gossen, Manfred
: APPLICANT: Bujard, Hermann
: APPLICANT: Salfeld, Jochen
: APPLICANT: Voss, Jeffrey
: TITLE OF INVENTION: Tight Control of Gene Expression in Eucaryotic
: TITLE OF INVENTION: Cells by Tetraacycline-responsive Promoters
: NUMBER OF SEQUENCES: 10
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Lahive & Cockfield
: STREET: 60 State Street
: CITY: Boston
: STATE: Massachusetts
: COUNTRY: USA
: ZIP: 02109-1875
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: ASCII text
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/897,719
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/260,452
: FILING DATE:
: APPLICATION NUMBER: 08/076,327
: FILING DATE: 14-JUN-1993
: ATTORNEY/AGENT INFORMATION:
: NAME: Giulio A. DeConti, Jr.
: REGISTRATION NUMBER: 31,503
: REFERENCE/DOCKET NUMBER: B91-013CP
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617) 227-7400
: TELEFAX: (617) 227-5941
: INFORMATION FOR SEQ ID NO: 3:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 894 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: ORIGINAL SOURCE:
: ORGANISM: Herpes Simplex Virus
: STRAIN: K12, KOS
: INDIVIDUAL ISOLATE: tTAS transactivator
: FEATURE:
: NAME/KEY: exon
: LOCATION: 1..894
: FEATURE:
: NAME/KEY: mRNA
: LOCATION: 1..894
: FEATURE:
: NAME/KEY: misc. binding
: LOCATION: 1..207
: FEATURE:
: NAME/KEY: misc. binding
: LOCATION: 208..297
: FEATURE:
: NAME/KEY: CDS
: LOCATION: 1..891
: US-08-897-719-3

```

Query Match 93.6%; Score 575.6; DB 2; Length 894;
 Best Local Similarity 97.48; Pred. No. 2e-175;
 Matches 610; Conservative 0; Mismatches 4; Indels 12; Gaps 2;

```

2 gatccctaagaccacttcacatctgaagctgtttcttaacgcgacatgatcatca 61
||| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

```

```

Db 629 GATGATCAGACCCACTTTCACATTTAGTTGTTTTCATCCGATATGATCATTTCA 570
Qy 62 aagcgcaataagaaggctgctcgcaccttggtgatacaataatcgaatgctgctg 121
Db 569 AGCCGCAATAGAGGCTGCTGCGACCTTGCTGATCAATAATTCGATTACTTCTCT 510
Qy 122 aataagggcgatcactatcagtagaagtggtttcccttcttcttaacgacttgatc 181
Db 509 AATAATGGGCGATACATACAGTAGAGTGTTCCCTTCTCTTACGACTTGATGC 450
Qy 182 tcttgatctccaacgaacctaaagcaaaatgctgctgagcgctgagtcataat 241
Db 449 TCTTGATCTTCCAAATACGACCTAAAGTAATAATGCCACAGCGCTGATCATTAAT 390
Qy 242 gcatctcta--gaaaacctgtgtgcataaaagcgctaatgtatlttcgaagatltca 299
Db 389 GCATTCCTAGTGAATAAACCTTGTCGATATAAAAGCGTAATGATTTCGAGAGTTTCA 330
Qy 300 tactgttttctgtaggcg-----tgtactttgtccatcgcatgacttagt 349
Db 329 TACTGTTTTCTGTAGGCGCTGTACTTAATGTACTTTGTGTCATCCGATGACTTACT 270
Qy 350 aaagcacatcctaaacctttagcgttattacgttaaaaaaacttgcagcttcccttct 409
Db 269 AAAGCATCTAAACTTTTACGCTTATTACGTATAAAATCTTGCCAGCTTCCCTTCT 210
Qy 410 aaaggcaaaagtgaatgctgctatcctacatcctcaatgctgaagcgctgcagcaaa 469
Db 209 AAAGGCAAAAGTGAATGATGCTGCTATCTTAACATCTCAATGCTGAAGCGCTGAGCAA 150
Qy 470 gccgccttaatttctacatgcacatacaaatgtagcctcctacacctaagcttcgagcg 529
Db 149 GCCCCTTATTTTACATGCAATCAATGAGCTGCTCTACACCTAGCTTCTGCGCG 90
Qy 530 agttacgggtgttaaaccttgcgttcgcacctatcaatgaagagcttcaagcgctgtga 589
Db 89 AGTTACGGGTTGTTAACTTCGATTCGACCTCATTAAGCAGCTTAATGCGCTGTTA 30
Qy 590 atcaacttacttatactaatcaga 615
Db 29 ATCACTTACTTTTATCTAATCTAGA 4

```

RESULT 8
 US-09-163-269-3/c
 : Sequence 3, Application US/09163269
 : Patent No. 6252136
 : GENERAL INFORMATION:
 : APPLICANT: Gossen, Manfred
 : APPLICANT: Bujard, Hermann
 : APPLICANT: Salfeld, Jochen
 : APPLICANT: Voss, Jeffrey
 : TITLE OF INVENTION: Animal Transgenic for a Tetraacycline-Controlled
 : NUMBER OF SEQUENCES: 10
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: Lahive & Cockfield
 : STREET: 60 State Street, Suite 510
 : CITY: Boston
 : STATE: Massachusetts
 : COUNTRY: USA
 : ZIP: 02109-1875
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: ASCII text
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/09/163,269
 : FILING DATE:
 : CLASSIFICATION:
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: 08/481,970
 : FILING DATE:

```

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/076,327
FILING DATE: 14-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Giulio A. DeConti, Jr.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: BBI-013CP2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 894 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
ORIGINAL SOURCE:
ORGANISM: Herpes Simplex Virus
STRAIN: K12, KOS
INDIVIDUAL ISOLATE: tTAS transactivator
FEATURE:
NAME/KEY: exon
LOCATION: 1..894
FEATURE:
NAME/KEY: mRNA
LOCATION: 1..894
FEATURE:
NAME/KEY: misc. binding
LOCATION: 1..207
FEATURE:
NAME/KEY: misc. binding
LOCATION: 208..297
FEATURE:
NAME/KEY: CDS
LOCATION: 1..891
US-09-163-269-3

Query Match          93.6%  Score 575.6; DB 4; Length 894;
Best Local Similarity 97.4%  Pred. No. 2e-175;
Matches 610; Conservative 0; Mismatches 4; Indels 12; Gaps 2;

```

QY 2 gatccttaagaccaccccttccacatttaagctgttttcttaaccgcatatgaatcaca 61
 DB 629 GATGATCAGACCCACTTTCACATTAAAGTTGTTTCTAATCCCATATGATCAATTCA 570
 QY 62 agccgcaataaagaagctgctcgtcaccctgtgtgatcaataatcgaatagctgtcgt 121
 DB 569 AGCCGCAATTAAGAAGCTGGCTCTGCACCTTGATCAATAATTCGATAGCTGTGCT 510
 QY 122 aataatgacgcatatactacagtagtaggttcccttcttcttcttcttcttcttctt 181
 DB 509 AATAATGCGGCATCTACTACAGTAGTAGTTCCTTCTTCTTCTTCTTCTTCTTCTTCTT 450
 QY 182 tcttgatcttccaataagcaacccttaagtaaaatgccccacagcgctgagtcataata 241
 DB 449 TCTTGATCTTCCAAATACCAACCTAAAGTAAGTATGCCCCACGCCCTGAGTGCATATAT 390
 QY 242 gcatctcta--gaaaaacctgtgtgcataaaaagcgtaaatgtgttcttctgagattca 299
 DB 369 GCATTCTCTAGGAAAAAAGCTTGTGGCATAAAAAGGCTAATTGATTTTTCGAGAGTTTCA 330
 QY 300 tactcttctctgtagacg-----tgtaacttctgtctcaatcgagatgactagt 349
 DB 329 TACTGTCTTCTGTAGGCGGTGTACTAATGTACTTTTGTGCTCCATCGGAGTACTTGTAGT 270
 QY 330 aaagcacatcaaaaaccttttagcgtatatacgttaaaaaactcttgcagcttccctctct 409
 DB 269 AAAGCACATCTAAAACTTTTAGCGTTATTACGTAAAAAATCTTGCACAGTTTCCCTTCT 210
 QY 410 aaagggcaaaaatgtagttagtctatcttaacatctcaatgagcgaagcgctcgagcaaa 469

```

DB 209 AAAGGCAAAAGTAGTAGTGGTGCCTATCTACATCTCAATGCGTAAGCGCTCGAGCAA 150
QY 470 gccgcctatttttaacatgccaataaataatgtaagcctgcctacacctaagctctgagcg 529
DB 149 GCCCGCTATTATTTTACATGCGCAATACATATAGGCTGCTCTACACCTAGCTTTGTGGCG 90
QY 530 agttacgggtgttaaaccttcgattccgacccatcaataaagaacgtcctaataagcgttca 589
DB 89 AGTTACGGGTGTGTTAAACCTTCGATTCCGACCTCATTTAACGACGCTCTAATGCCGTGTTA 30
QY 590 atcaccttaacttcaatcctaatacaga 615
DB 29 ATCACTTACTTTATCTAATCTAGA 4

RESULT 9
US-08-474-169-5/c
Sequence 5, Application US/08474169
Patent No. 5851796
GENERAL INFORMATION:
APPLICANT: Schatz, David G.
TITLE OF INVENTION: An Autoregulatory Tetracycline-Regulated
NUMBER OF INVENTION: System for Inducible Gene Expression in Eucaryotes
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESS: STERN, KESSLER, GOLDSTEIN & FOX P.L.L.C
STREET: 1100 New York Ave. Suite 600
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474,169
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2540
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 4455 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 774..1778
US-08-474-169-5

Query Match          93.2%  Score 573; DB 2; Length 4455;
Best Local Similarity 98.1%  Pred. No. 2.8e-174;
Matches 605; Conservative 0; Mismatches 0; Indels 12; Gaps

```

QY 11 gaccacattcacatttaagctgttttcttaatccgataatgataatcaatcaagcgcaat 70
 DB 1333 GACCACATTTTCACATTTTAAGTTGTTTCTAATCCGATATGATTAATTCGAAGCGCAAT 1334
 QY 71 aagaagcctgctcgcacacctgtgtgatcaataataatcgataagctgttcgtaataatgac 130
 DB 1333 AAGAAGCGCTGGCTGTGACCTGTGTGATCAATATTCGATAGCTTGTGCTAATATGCGC 1274
 QY 131 ggcatactacaagtagtagttagtcttcccttcttcttcttcttcttcttcttcttcttct 190
 DB 1273 GGCATACATATAGTAGTAGTGTGCTTCCCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 1214
 QY 151 tccaatagcaaacctcaagaataaaatgccccacagcgctgagtcataatagcatctct 250

|||||
Db 1213 TCCAAATACGCAACCTAAAGTAATGCCCCACAGCCCTGAGTCATATATGATCTCT 1154
QY 251 a--gaaaccctgttggaataaaagcgaatgttttcgagagtttcatactgtttt 308
Db 1153 AGCGAAACCTTGTGGCATAAAGGCTAATGATTTTCGAGATTTTCATCTGTTTT 1094
QY 309 tctgtaggcg-----tgaactttgcctcctcgcgaatgttgaagaacat 358
Db 1093 TCTGTAGGCCGTACTTAATATCTTTTGCCTCCATCCGATGACTTGTAAAGCACA 1034
QY 359 ctaaaactttagcgttatacgtataaaactctgcgaacttccctctaaaggca 418
Db 1033 CTAATACTTTAGCGCTTATTAGCTAAATAATCTGCCACTTCCCTCTTAAGGCGCA 974
QY 419 aagtgatagtggtctatacctaactcaatgagcgaagcgtcgagaagccgctta 478
Db 973 AAGTGAGTGTGTGCTATCTAAACATCTCAATGGCTAAGCGCGCAAAACCCCTTA 914
QY 479 ttlttacaatgcaataatgtagcgtcctacacctaagcttctggcgagtttaag 538
Db 913 TTTTTCATGCCATACATATAGCTCTCTACCTTCTGCGGAGTTTACCG 854
QY 539 gtgttaaaccttcgattccgaacctcaatgaagcgaagcgtcgtgtaacactta 598
Db 853 GTTGTAAACCTTCGATTCGACCTCATTAAGCAGCTCAATGGCTGTATATCACTTTA 794
QY 599 ctttatacctaactaga 615
Db 793 CTTTATCTAATCTAGA 777

RESULT 10
US-08-474-169-3
Sequence 3, Application US/08474169
Patent No. 5851796
GENERAL INFORMATION:
APPLICANT: Schatz, David G.
TITLE OF INVENTION: An Autoregulatory Tetracycline-Regulated
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C
STREET: 1100 New York Ave. Suite 600
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08-474,169
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 6206 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: complement (2469..3476)
US-08-474-169-3

Query Match 93.2%; Score 573; DB 2; Length 6206;
Best Local Similarity 98.1%; Pred. No. 3,3e-174;
Matches 605; Conservative 0; Mismatches 0; Indels 12; Gaps 1

QY 11 gaaccacttcaatlaagttgttttctaaccgcatatcatcaatcaagccgaat 70
Db 2854 GACCCACTTTCACATTTAAGTTGTTTTTAAATCCGATATCATATCAATCAAGCCGAAT 2913
QY 71 aagaagcgtgctctgcgaacttgcgtatcaataatctgatatgtctgtaataatgc 130
Db 2914 AAGAAGGCTGCTCGACACTTGTGATCAATAATTTCTGAGTTGTGTATATATGCG 2973
QY 131 ggcataactatcagtagtggttcccttcttcttcttaaggaacttgatcgtatct 190
Db 2974 GGCATATCATAGTAGTAGTGTTCCTCTTCTTTAGGCACATGTGATGCTTGATCT 3033
QY 191 tccaatagcaaccctaaagtaaaatgcccccaagcgtgagtgcatataatgcatctct 250
Db 3034 TCCATATCGCAACCTAAAGTAAATGCCCCACAGCGCTGAGTCAATATATCATTTCT 3093
QY 251 a--gaaaccctgttggaataaaagcgaatgttttcgagagtttcatactgtttt 308
Db 3094 AGTGAATAACCTTGTGGCATAAAGGCTAATGATTTTCGAGAGTTTCATCTGTTTT 3153
QY 309 tctgtaggcg-----tgaactttgcctcctcgcgaatgttgaagaacat 358
Db 3154 TCTGTAGGCCGTGTACTTAATATCTTTTCTCTCATGCGATGACTTGTAAAGCACA 3213
QY 359 ctaaaactttagcgttatacgtataaaactctgcgaacttccctctaaaggca 418
Db 3214 CTAATACTTTTAGCTTATTAGCTAAATAATCTTGCAGCTTCCCTTTAAAGGCGCA 3273
QY 419 aagtgatagtggtctatacctaactcaatgagcgtcgaagcgaagcccgctta 478
Db 3274 AAGTGAGTGTGTGCTATCTAAACATCTCAATGGCTAAGCGCGCAAAACCCCTTA 3333
QY 479 ttlttacaatgcaataatgtagcgtcctacacctaagcttctggcgagtttaag 538
Db 3334 TTTTTCATGCCATACATATAGCTCTCTACCTTCTGCGGAGTTTACCG 3393
QY 539 gtgttaaaccttcgattccgaacctcaatgaagcgaagcgtcgtgtaacactta 598
Db 3394 GTTGTAAACCTTCGATTCGACCTCATTAAGCAGCTCAATGGCTGTATATCACTTTA 3453
QY 599 ctttatacctaactaga 615
Db 3454 CTTTATCTAATCTAGA 3470

RESULT 11
US-08-737-316A-2/c
Sequence 2, Application US/08737316A
Patent No. 5849576
GENERAL INFORMATION:
APPLICANT: SKERRA, Arne
TITLE OF INVENTION: USE OF THE TETRACYCLINE PROMOTER FOR THE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIKALDO, Marmelstein, Murray & Oram LLP
STREET: 655 Fifteenth Street N.W. Suite 330
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-5701
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/737,316A
FILING DATE: 12-NOV-1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP95/01862
FILING DATE: 17-MAY-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: DE P 44 17 598.1
FILING DATE: 19-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: Klets, Monica C.
REGISTRATION NUMBER: 36,105
REFERENCE/DOCKET NUMBER: P564-6012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)638-5000
TELEFAX: (202)638-4810
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 3266 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
US-08-737-316A-2

Query Match 93.0%; Score 572.2; DB 2; Length 3266;
Best Local Similarity 97.6%; Pred. No. 4.5e-174;
Matches 606; Conservative 0; Mismatches 3; Indels 12; Gaps 2;

7 ttaagaccacactttacatttaagttgttttcttaacgcgacataatgaatcaatcaaggcc 66
2465 TTAAGACCACCTTTACATTAAAGTTTCTTTCATCCGATTCATCAATCAAGGCC 2406
67 gaataagaagcctgctcgcaccttggtgacaaataatcgatagctgtcgtaataa 126
2405 GAATAAGAAGCCTGCTCGCACCCTTGATCAATAATTCGATACCTTGCTGATAAA 2346
127 tgggggcatcactaagtagtaggtgttcccttcttctttagcgcgttgatctcttg 186
2345 TGGGGCATCTACTACAGTAGTAGGTGTTCCCTTCTTCTTACGACCTTGATGCTCTTG 2286
187 atctccaatacgaacctaagaatgcccacagcgtgtagtgcataataatgcat 246
2285 ATCTCCAAATACGAACCTTAAGTAATAATGCCACGCGGTGAGTGCATATATGCAAT 2226
247 cctcta--gaaaaacctgtgtgacataaaagcctaattgatttctgagagttcatactg 304
2225 CTCTAGTGAATAAACCTGTGTGGCATAAAGGCTAATTGATTTCGAGAGTTTCATCTG 2166
305 tttctctgtagcg-----tgtactttgtcccatcgcatgactgaactaagc 354
2165 TTTTCTGTAGGCGGTACCTAAATGTACTTTTTCCTTCATCGCATGCGATGACTTAAAGC 2106
355 acatctaaaccttttagcgtatattacgttaaaaaactctgcacagcttccctttaaag 414
2105 ACATCTAAACCTTTAGCGTATTACGTAAAAAATCTTGCACGCTTCCCTTTAAAGG 2046
415 gcaaaaatgagtagtgcgtatcttaacatctcaatgagcgaagcgttcgagcaaaagcccg 474
2045 GCAAAAAGTAGTAGTGCCTATCTAATCATCTCAATGAGCTTAAGCGTGCAGCAAAAGCCCG 1986
475 cttaatttttaacatgccaatgaatgtaggtgtctctacactagcttctggggaggttt 534
1985 CTTAATTTTAAACATGCAATGCAATGAGGCTGCTTACACCTAGCTTGTGGGAGGTTT 1926
535 acgggtgttaaaccttcgatcttcgcagactcaatgaagcgtcgaatgagcgttcaatcac 594
1925 ACGGTTGTAAACCTTCGATTCGAGACTCATTAAGCAGCTCTAATGGCTGTTAATCAC 1866
595 ttactttatcatcaactaga 615
1865 TTTACTTTTATCTAAACGAGA 1845

RESULT 12
US-09-162-184-36/c
Sequence 36, Application US/09162184A
Patent No. 6136954
GENERAL INFORMATION:
APPLICANT: Bujard, Hermann
Gossen, Manfred
Activator Fusion Proteins
TITLE OF INVENTION: Tetracycline-Inducible Transcriptional
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/162,184A
FILING DATE: 28-Sep-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/383,754
FILING DATE: 03-FEB-1995
APPLICATION NUMBER: US 08/275,876
FILING DATE: 15-JULY-1994
APPLICATION NUMBER: US 08/270,637
FILING DATE: 01-JULY-1994
APPLICATION NUMBER: US 08/260,452
FILING DATE: 14-JUNE-1994
APPLICATION NUMBER: US 08/076,327
FILING DATE: 14-JUNE-1993
APPLICATION NUMBER: US 08/076,726
FILING DATE: 14-JUNE-1993
ATTORNEY/AGENT INFORMATION:
NAME: DeConelli, Giulio A. Jr.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: BBI-0096CN
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 652 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09-162-184-36

Query Match 93.0%; Score 571.8; DB 3; Length 652;
Best Local Similarity 97.7%; Pred. No. 2.9e-174;
Matches 605; Conservative 0; Mismatches 2; Indels 12; Gaps

9 aagaccacactttacatttaagttgttttcttaacgcgacataatgaatcaatcaaggccga 68
628 AGGACCCACCTTACATTAAAGTTGTTTCTTAATCCGATATGATCAATTCAAGGCCGA 569
69 ataagaagcgtgctcgcacccctgtgtatcaataatcgatagctgtcgtaataatg 128
568 ATAGAAGCGCTGCTCGACACTTGGATCAATAATATGATAGTGTGCTGTAATAATG 509
129 gcggcatactatacagtagtaggtgttcccttcttctttaggaacttgatgctcttgat 188
508 GCGGCATATACATAGTAGTAGTGTGTTCCCTTCTTCTTAAAGCAGCTTGATGCTTGAT 449

```

QY 189 ctccaatacgaacctaataaagccccacagcgctgagtgataataagcattc 248
Db 448 cttccatagcgcaactaaagtaaatgccccacacgctgactgcatatgatgcatgtc 389
QY 249 cta--gaaaacctgttgccataaaaagcctaattgatttcgagaagttcattactgt 306
Db 388 ctatgcaaaaacctgttgcatataaaaagcctaattgatttcgagaagttcattactgt 329
QY 307 ttctgtagcg-----tgactttgctccacacgagatgactagtaagaac 356
Db 328 ttctgtagcgctgtacttaaatgacttttgcctccatcgagatgactagtaagaac 269
QY 357 atctaaacctttagcgtattacgtataaaaactctgcagccttccctcttaaggac 416
Db 268 atctaaacctttagcgtattacgtataaaaactctgcagccttccctcttaaggac 209
QY 417 aaaagtgagatgtagcctatcacaatcgaatgagcgtcgaagcgaacacgcgt 476
Db 208 AAAAGTGAGTATGTCCTATCTAATCATCTCATAGGCTAAGCGCTGAGCAAAAGCCGCT 149
QY 477 tatttttaacatgccaatacaatgtagcgtctctcaacactgctctgagcgagttac 536
Db 148 TATTTTTCATGCAATGCAATGAGGCTGCTTACACCTGCTTCTGGCGAGTTTAC 89
QY 537 gggctgtaaaccttcgacttcgacctcaatgaagcagctcattgagcgttaacact 596
Db 88 GGGTGTGTAACCTTCGATTCGACCTCTTAAGCGCTCTAATGGCGGTAAATCACTT 29
QY 597 tactttatcactaga 615
Db 28 TACTTTATCTAATCTAGA 10

RESULT 13
US-09-489-777A-36/c
Sequence 36, Application US/09489777A
Patent No. 6271348
GENERAL INFORMATION:
APPLICANT: Bujard, Hermann
Gossen, Manfred
TITLE OF INVENTION: Tetracycline-Inducible Transcriptional
Inhibitor Fusion Proteins
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESS: LAHIVE & COCKFIELD
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109-1875
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/489,777A
FILING DATE: 24-Jan-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/162,184
FILING DATE: 28-SEP-1998
APPLICATION NUMBER: US 08/485,978
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: US 08/383,754
FILING DATE: 03-FEB-1995
APPLICATION NUMBER: US 08/275,876
FILING DATE: 15-JULY-1994
APPLICATION NUMBER: US 08/270,637
FILING DATE: 01-JULY-1994
APPLICATION NUMBER: US 08/260,452
FILING DATE: 14-JUNE-1994

```

```

APPLICATION NUMBER: US 08/076,327
FILING DATE: 14-JUNE-1993
APPLICATION NUMBER: US 08/076,726
FILING DATE: 14-JUNE-1993
ATTORNEY/AGENT INFORMATION:
NAME: DeConti, Giulio A. Jr.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: BBI-009C6CNDV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 652 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
SEQUENCE DESCRIPTION: SEQ ID NO: 36:
US-09-489-777A-36

Query Match          93.0%; Score 571.8; DB 4; Length 652;
Best Local Similarity 97.7%; Pred. No. 2,9e-174;
Matches 605; Conservative 0; Mismatches 2; Indels 12; Gaps 2

QY 9 aagaccacattacattaaagtgtttcttaacgcgataatgaatcaatcaaggccga 68
Db 628 AAGACCACATTTCACATTAAAGTGTGTTTTCATACCCGATATGATCAATCAAGCCGA 569
QY 69 ataagaagcttgagctgcaccttgtagatacaaatatgataagcttgctgaatg 128
Db 568 ATAAGAAGCTTGAGCTGCACCTTGAGATCAAAATATGATGATGATGCTGTGTAATAG 509
QY 129 gcggcatactacagtagtaggtgttcccttctctcttaagcagacttgatccttgat 188
Db 508 GCGGCACTACTATCACTAGTAGAGTGTTCCTCTCTTTTGAAGCACTTGATGCTTTCAT 449
QY 169 ctccaatacgaacctaataaagtcgccacagcgctgagtgacataatgactctc 248
Db 448 CTTCCAAATACGCAACCTTAAGTAAGTAAATGCCACAGCCCTGAGTCATATATGACTTCT 389
QY 249 cta--gaaaacctgttgccataaaaagcctaattgatttcgagaagttcattactgt 306
Db 388 CTAGGAAAAAACCTTGTGGCATTAAGGCTAATGATTTTCGAGATTTTCATATCTGTT 329
QY 307 ttctgtagcg-----tgactttgctccacacgagatgactagtaagaac 356
Db 328 TTTCGTAGGCGGTGTACTTAATGTACTTTTGCCTCCATCCGATGACTTAGTAAGCAC 269
QY 357 atctaaacctttagcgtattacgtataaaaactctgcagccttccctcttaaggac 416
Db 268 ATCTAAACCTTTTACCTTATTAGCTATAAAATCTTCCACACTTCCCTCTTAAGGCG 209
QY 417 aaaagtgagatgtagcctatcacaatcgaatgagcgtcgaagcgaacacgcgt 476
Db 208 AAAAGTGAGTATGTCCTATCTAATCATCTCATAGGCTAAGCGCTGAGCAAAAGCCGCT 149
QY 477 tatttttaacatgccaatacaatgtagcgtctctcaacactgctctgagcgagttac 536
Db 148 TATTTTTCATGCAATGCAATGATGAGCTCTTACACCTGATGCTTCTGGCGAGTTTAC 89
QY 537 gggctgtaaaccttcgacttcgacctcaatgaagcagctcattgagcgttaacact 596
Db 88 GGGTGTGTAACCTTCGATTCGACCTCTTAAGCGCTCTAATGGCGGTAAATCACTT 29
QY 597 tactttatcactaga 615
Db 28 TACTTTATCTAATCTAGA 10

RESULT 14
US-08-485-971-16/c

```

```

: Sequence 16, Application US/08485971
: Patent No. 5589362
:
: GENERAL INFORMATION:
: APPLICANT: Bujard, Hermann
: APPLICANT: Gossen, Manfred
: APPLICANT: Hillen, Wolfgang
: APPLICANT: Heibl, Vera
: APPLICANT: Schnappinger, Dirk
: TITLE OF INVENTION: Tetraacycline-Regulated Transcriptional
: NUMBER OF SEQUENCES: 28
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: LAHIVE & COCKFIELD
: STREET: 60 State Street, Suite 510
: CITY: Boston
: STATE: Massachusetts
: COUNTRY: USA
: ZIP: 02109-1875
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: ASCII Text
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/485,971
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/383,754
: FILING DATE: 03-FEB-1995
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/270,637
: FILING DATE: 01-JULY-1994
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/260,452
: FILING DATE: 14-JUNE-1994
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/076,327
: FILING DATE: 14-JUNE-1993
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/076,726
: FILING DATE: 14-JUNE-1993
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: DeConti, Giulio A. Jr.
: REGISTRATION NUMBER: 31,503
: REFERENCE/DOCKET NUMBER: BBI-009CP7
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617)227-7400
: TELEFAX: (617)227-5941
: INFORMATION FOR SEQ ID NO: 16:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 621 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: double
: TOPOLOGY: linear
: MOLECULE TYPE: cDNA
: US-08-485-971-16
:
: Query Match          92.9%; Score 571.4; DB 1; Length 621;
: Best Local Similarity 97.9%; Pred. No. 3,8e-174;
: Matches 604; Conservative 0; Mismatches 1; Indels 12; Gaps 2;
:
: Oy 11 gaccacattcaacattcaagttgtttcttaaccgcataatgaatcaagccgaat 70
:      |||||||
: Db 620 GACCCACTTTCACATTAACTGTTTCTAATCCGACATATGATCAATTCAGCGCGAAT 561
:      |||||||
: Oy 71 aagaagcttgctcgacacctggtgacataaattcgatagcttgctgataaagc 130
:      |||||||

```

```

: Db 560 AAGAAGCGTGGCTCTGCACCTTGCTGATCAAAATTAATTCATAGCTTGCTAATATGCC 501
:      |||||||
: Oy 131 ggcatactatcagtagtaggtgtttcccttcttcttcttaagcacttgatgcttga 190
:      |||||||
: Db 500 GGCACTACTATCAGTAGTAGGTGTTCCCTTTCTTCTTAGAGATTGATGCTTGATCT 441
:      |||||||
: Oy 191 tccaatacgcaaccataaagtaaaatgccccacagcgtgtagcataaataatcctc 250
:      |||||||
: Db 440 TCCAAATACGCACTAAAGTAATAATGCCCGACAGCTGAGTGCATTAATGATTCCT 381
:      |||||||
: Oy 251 a--gaaaacctgttgcatataaagcctaattgatttgaagaagttcatactgtttc 308
:      |||||||
: Db 380 AGTGAAAACCTTGTTGGCATTAATAAGGCTTAATTGATTTTCGAGAGTTTCATCTGTTT 321
:      |||||||
: Oy 309 tctgtaagcgg-----tgaactttgtcttcacatcgatgaacttagtaagaacat 358
:      |||||||
: Db 320 TCTGTAGCGCGTGTACTTAATTAATCTTTGCTCATCGCATGCTAGTAAAGCACAT 261
:      |||||||
: Oy 359 ctaaacctttagcgttattacgtaaaaaacttgcagcttccctccttaagggcaa 418
:      |||||||
: Db 260 CTAAACTTTTAGCCTTATTATGTAATAAATCTTGCCAGCTTCCCTTTAAAGGCCAA 201
:      |||||||
: Oy 419 aagtgatagtggtccatactacatacctcaatgaagcgttcgaagcaagccgctta 478
:      |||||||
: Db 200 AAGTAGATAGTGCCTATATCAATCATGCTCAATGCGTAAAGCGCTGAGCAAGCCGCTTA 141
:      |||||||
: Oy 479 tttttcaagcacaatacgaatgtaggtgctctacactgcttcggggaagttacgg 538
:      |||||||
: Db 140 TTTTTCATGTCCAATCAATGTAAGTGGCTGCTCTACCTACTTCTGGCGCATTTACGG 81
:      |||||||
: Oy 539 gtgttaaaccttcgactccgaactcaataagcagcctcaatgagcgttataactta 598
:      |||||||
: Db 80 GTTGTTAACTTTCGATTCCGACCTCATTAAGCAGCTCTAATGCGCTTAAATCACTTTA 21
:      |||||||
: Oy 599 cttatcctaactcaga 615
:      |||||||
: Db 20 CTTTATCTAATCTAGA 4
:
: RESULT 15
: US-08-383-754-16/c
: : Sequence 16, Application US/08383754
: : Patent No. 5789156
: :
: : GENERAL INFORMATION:
: : APPLICANT: Bujard, Hermann
: : APPLICANT: Gossen, Manfred
: : TITLE OF INVENTION: Tetraacycline-Regulated Transcriptional
: : NUMBER OF SEQUENCES: 28
: : CORRESPONDENCE ADDRESS:
: : ADDRESSEE: LAHIVE & COCKFIELD
: : STREET: 60 State Street, suite 510
: : CITY: Boston
: : STATE: Massachusetts
: : COUNTRY: USA
: : ZIP: 02109-1875
: :
: : COMPUTER READABLE FORM:
: : MEDIUM TYPE: Floppy disk
: : COMPUTER: IBM PC compatible
: : OPERATING SYSTEM: PC-DOS/MS-DOS
: : SOFTWARE: ASCII Text
: : CURRENT APPLICATION DATA:
: : APPLICATION NUMBER: US/08/383,754
: : FILING DATE:
: : CLASSIFICATION: 436
: : PRIOR APPLICATION DATA:
: : APPLICATION NUMBER: US 08/275,876
: : FILING DATE: 15-JULY-94
: : CLASSIFICATION: 436
: : PRIOR APPLICATION DATA:
: : APPLICATION NUMBER: US 08/270,637
: : FILING DATE: 01-JULY-94
: : CLASSIFICATION: 436

```

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/260,452
FILING DATE: 14-JUNE-94
CLASSIFICATION: 436
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/076,327
FILING DATE: 14-JUNE-93
CLASSIFICATION: 436
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/076,726
FILING DATE: 14-JUNE-93
CLASSIFICATION: 436
ATTORNEY/AGENT INFORMATION:
NAME: DeConti, Giulio A. Jr.
REGISTRATION NUMBER: 31,503
REFERENCE/DOCKET NUMBER: BFI-009CP2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-5941
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 621 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
US-08-383-754-16

Query Match 92.9%; Score 571.4; DB 1; Length 621;
Best Local Similarity 97.9%; Pred. No. 3.8e-174;
Matches 604; Conservative 0; Mismatches 1; Indels 12; Gaps 2;

OY 11 gaccacattcacatttaagttgttttctaaaccgacataatcaatcaagccgaat 70
DB 620 GACCCATTTCACATTAGTGTCTTCTAATCCGATATGATCATATCAAGCCGAAT 561
OY 71 aagaaggctgctcgcacctggtgataaataatctgataagctgtcgttaataagc 130
DB 560 AAGAAGGCTGCTGCTGACCTGTGATCAATAATTCGATAGCTTGTGTAATATGCG 501
OY 131 ggcatactacagtagtagtctcccttctctctttagcgacttgatgctctgact 190
DB 500 GGCATACATATAGTAGTAGTGTCTTCCCTTCTTCTTAGCGACTTGATGCTTGATCT 441
OY 191 tccaatacgcaactaaagtaaatgccccacagcgtgagtgacataatgacatctct 250
DB 440 TCCAAATACGCAACTAAAGTAAATGCCACAGCGCTGAGTGCAATATATGATCTCT 381
OY 251 a--gaaaacctgtgtgcataaaagcctaattgatttgcagaagttcacaactgltt 308
DB 380 ACTGAAAAACCTGTGTGCATTAATAAGGCTAATTTGAGAGTTTCAGAGTTTCATAC 321
OY 309 tctgtaggccg-----tgaacttctgctccatcgagctgacttagtaagcacat 358
DB 320 TCTGTAGGCCGTGACCTAAATGTACTTTTGTCTCCATCGCATGACTTAGTAAGCACAT 261
OY 359 ctaaacctttagcgcttaacgtaaaaaaatctgcagcgttccctctctaaagggcaa 418
DB 260 CTAACAACCTTTAGCTTATAGTAAATAATCTGCCAGCTTCCCTTTCTAAAGGCAA 201
OY 419 aagtgagtaigtgctcttcaactctcaatcgaatgtaagcgctgagcaagccgcctta 478
DB 200 AAGTGAGTATGTGCTCTATCTAACATTCATAGGCTAAGGCTGAGCAAGCCCGCTTA 141
OY 479 ttttacaatgccaalacaatgtagcgctgcctcaacctaagcttctggcgagtttaagc 538
DB 140 TTTTACATGCAATACATAGTAGGCTGCTCTACACTTACCTTGTGGCGAGTTTACGG 81
OY 539 gtctgtaaacctcgatccgaacctcaatlaagcagcgtctaatgacgtgttaacactta 598
DB 80 GTTGTAACCTTGATTCGACCTCATTAAGCAGCTCTAATGCGCTCTAATCAGCTTTA 21

OY 599 cttatcctaactaga 615
DB 20 CTTTATCTAATCTAGA 4

Search completed: March 8, 2002, 13:16:41
Job time: 4583 sec